



TITLE:

[Lightning talks 3]Lack of data management plan in my field observations at distant un-manned stations

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CITATION:

IYEMORI, Toshihiko. [Lightning talks 3]Lack of data management plan in my field observations at distant un-manned stations. 2018

ISSUE DATE:

2018-10-06

URL:

<http://hdl.handle.net/2433/243955>

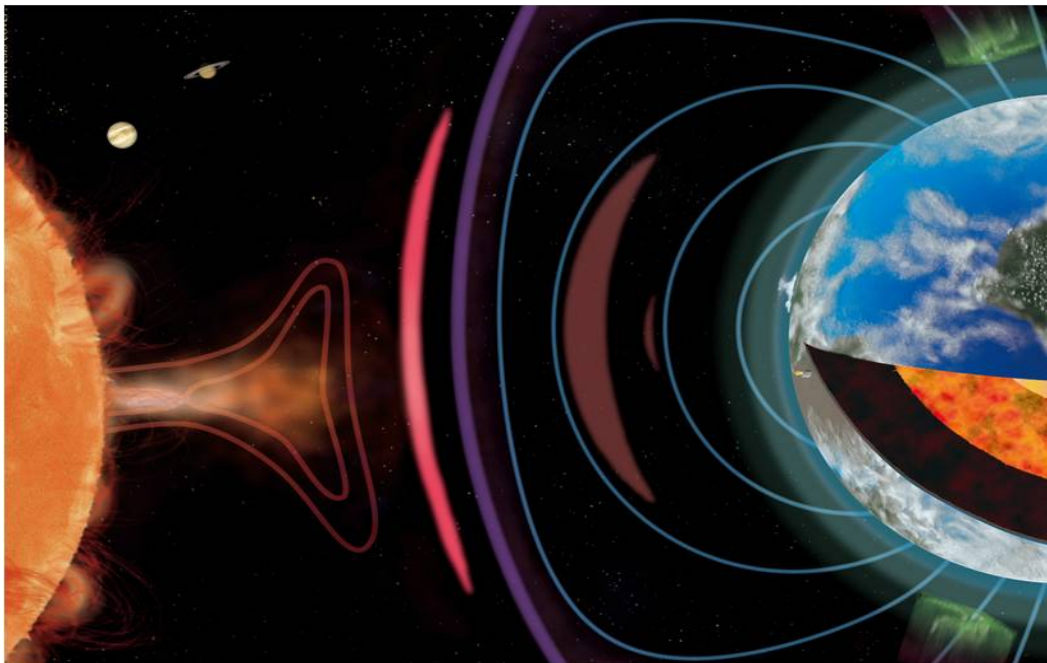
RIGHT:

主催者の許可を得て登録しています

# Lack of data management plan in my field observations at distant un-manned stations

(They are **NOT** the database for the service from WDC for Geomagnetism, Kyoto)

1. Full name: IYEMORI, Toshihiko
2. Academic role: Professor Emeritus, Kyoto University  
A member of World Data System Scientific Committee
3. Research group or research active area:  
Solar-Terrestrial Physics, Aeronomy,  
Geomagnetism



#### 4. Project details

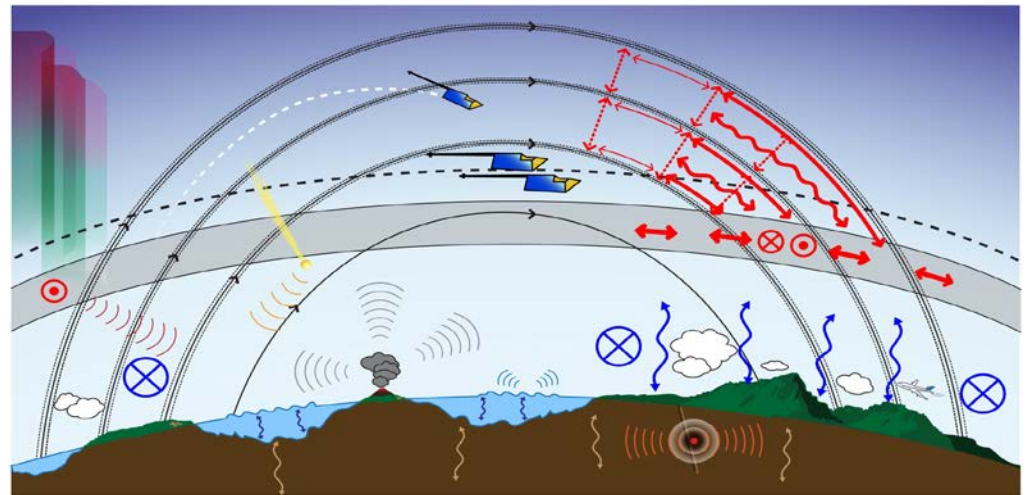
To clarify the causal relationship between lower atmospheric disturbances such as cumulus convection, typhoon, tropical squall, earthquake etc. and small scale ionospheric electromagnetic phenomena.

For this purpose, we conduct ground based observations such as micro-barometric variations, geomagnetic fields, GPS Total Electron Contents (TEC), and meteorological parameters. The observation sites are normally at distant location to avoid artificial noises. We also analyze these data with low-altitude satellite observation in the ionosphere.

#### 5. Description of the data

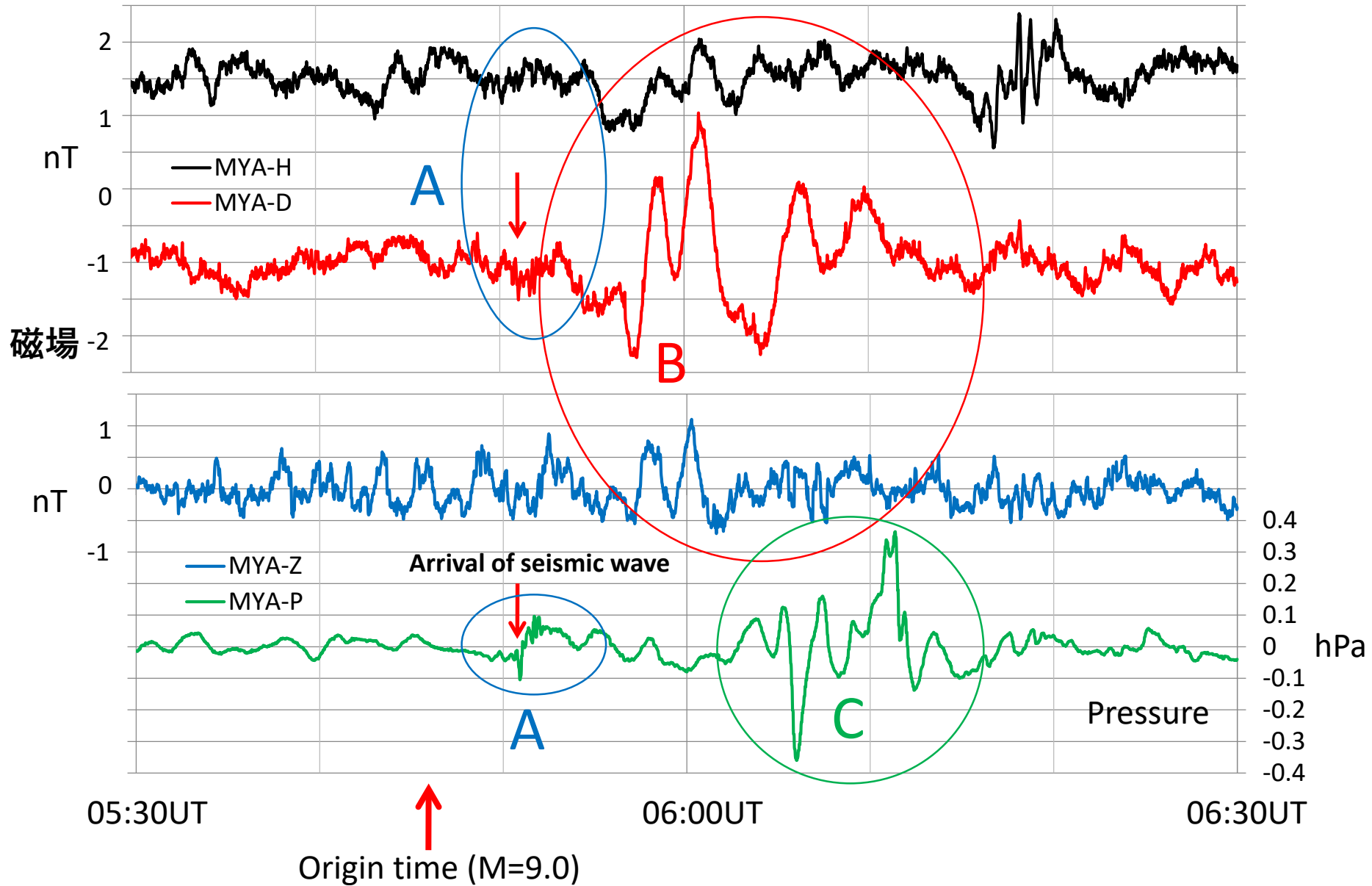
- Micro-barometric variation data
- Geomagnetic data
- GPS TEC data
- High-time resolution rain fall data
- Wind velocity
- Swarm satellite data  
(magnetic fields, electron density)

The temporal resolution is one second.



# 2011.03.11 Tohoku Earthquake

Geomagnetic and micro-barometric variation observed at Mineyama(MYA), Kyoto



6. Ownership: who owns the data?

- Ground based observation data – ourselves
- Swarm satellite data --- ESA (European Space Agency)

7. Characteristics of the data (select all that apply)

- a. Observational
- d. Derived

8. Data types (select all that apply)

- b. Data collected from sensors or instruments (including questionnaires)
- j. Fieldwork data
- s. Other (please specify): satellite observation

9. Size of the data

10 – 100MB/day

10. Importance of the data

- a. Vital

11. Retention period

- d. More than 10 years

12. How frequently do you update your data over the project period?

- f. Don't know

13. Is your data backed up regularly?

b. No

14. Do you currently have a formal Research Data Management Plan in place in your school/centre?

b. No

15. Who is currently responsible for managing the data? (select all that apply)

e. Research assistant

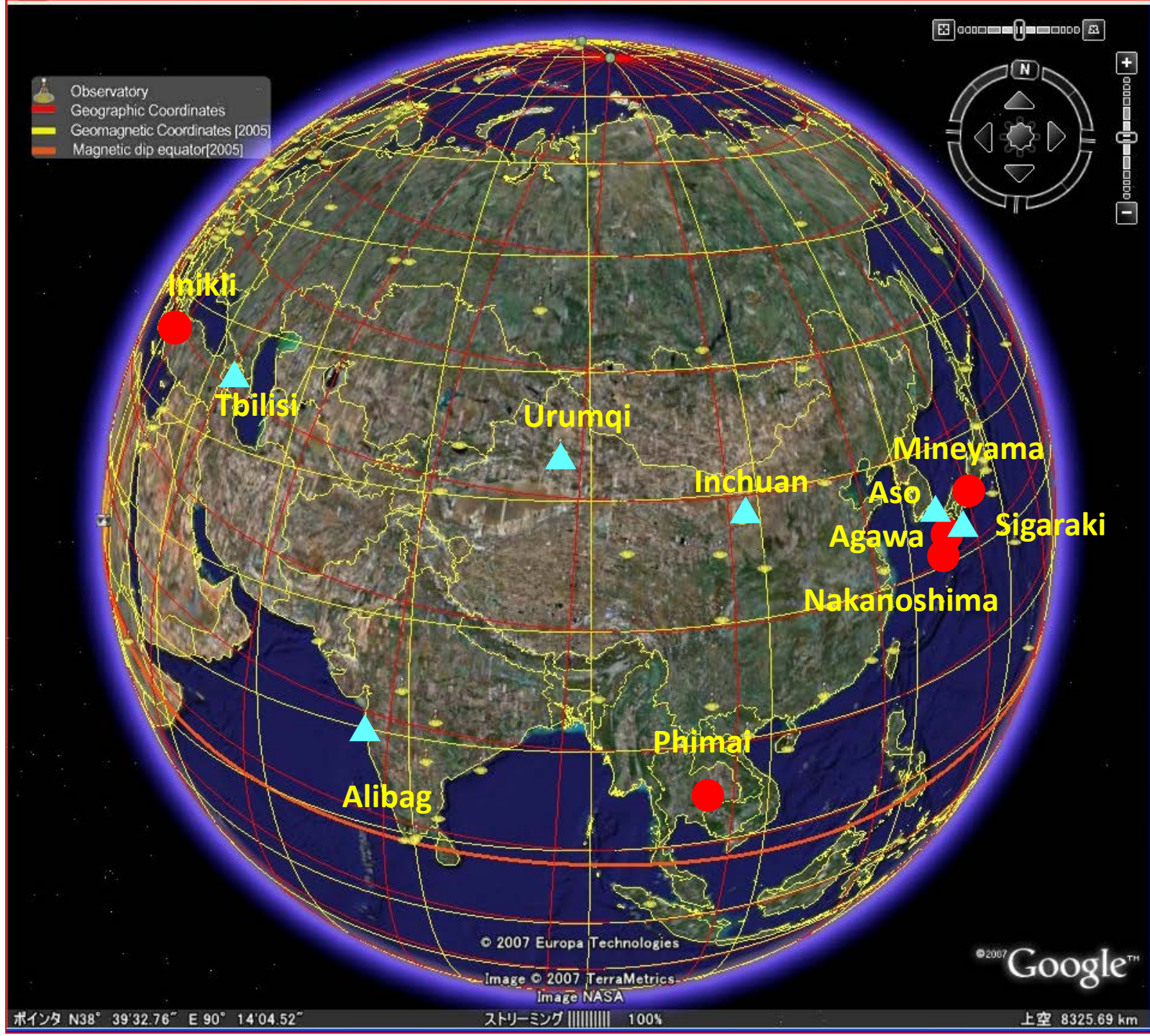
f. Yourself





**Installed**

## Magnetometer only



## Problems

1. Data format  
Slight difference caused by the change of instruments.
2. Quality check  
No time to check
3. Preservation -- Disk array trouble
4. Publication (Open data from web site)